ENVIRONMENTAL CHEMISTS

Date of Report: December 28, 1995 Date Received: December 21, 1995

Project: 7238, Metro Self Monitor, PO# M71223 Date Samples Extracted: December 21, 1995 Date Extracts Analyzed: December 27, 1995

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR CHROMIUM, COPPER, NICKEL, AND ZINC Samples Processed Using Method 3005

Results Reported as mg/L (ppm)

Sample ID	Chromium	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M71223	0.65	0.92	0.35	0.10
Method Blank	<0.05	<0.05	< 0.05	<0.05

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Project: 7238, Metro Self Monitor, PO# M71223

QUALITY ASSURANCE RESULTS FOR CHROMIUM, COPPER, NICKEL, AND ZINC

Laboratory Code: KJ65358DP (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte:	Units	Result	Result	Difference	Criteria
Ala Alia		Ar all the apple			
Chromiun	n mg/L (ppm)	0.65	0.75	14	0-20
Copper	mg/L (ppm)	0.92	1.0	8	0-20
Nickel	mg/L (ppm)	0.35	0.39	11	0-20
Zinc	mg/L (ppm)	0.10	0.10	0	0-20
St. 60. 10. 10. 10. 10. 10. 10. 10. 10. 10. 1	A Prince Total STEEL SERVICE				Note that (4.115.5) 4.111.

Laboratory Code: KJ65358MS/MSD (Matrix Spike)

							Relative
	Reporting	Spike	Sample	% F	Recovery	Acceptance	Percent
Analyte:	Units	Level	Result	MS	MSD	Criteria	Difference
			TREE WILL				
Chromiun	n mg/L (ppm)	5	0.65	103	101	80-120	2
Copper	mg/L (ppm)	5	0.92	101	101	80-120	0
Nickel	mg/L (ppm)	10	0.35	102	101	80-120	1
Zinc	mg/L (ppm)	5	0.10	102	101	80-120	1 1

Laboratory Code: Spike Blank

	Reporting	Spike	% Recover	y Acceptance
Analyte:	Units	Level	MS	Criteria
			경기를 잃는 사람이	
Chromium	mg/L (ppm)	5	104	80-120
Copper	mg/L (ppm)	5	103	80-120
Nickel	mg/L (ppm)	10	104	80-120
Zinc	mg/L (ppm)	5	103	80-120

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FORMS/COC

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

SAMPLE CHAIN OF CUSTODY

KNJ AI 12.21.95 1:15

Send Report To: AAS. Company AAS. Address 625 AA	Kan Coppen	e Works		Contac	GERALD	Thomp.	50-0
Phone # (206)	We wi	1			/ =	: i	
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7238		metro s	Self M	anitore.	m 7	1723	
SAMPLERS (signature)						JECT LOCATIO	N
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REMARKS						ISPOSAL INFOR	
					Retur	ose after 30 day in Samples for Instructions	S
Sample #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample		Analyses Requested	
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				COMPAN			
SIGNATURE Rejugished by GERA		. 1 1	PRINT NAME FOD A. TINGON		J I	Date 12/cs/85	12.55
Received by:	Ka	19		ABJ		12-2155	1:00
Received by:							

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3012 16th Avenue West Seattle, WA 98119-2029 FAX: (206) 283-5044

December 28, 1995

INVOICE # 95ACU1228-2 DUPLICATE COPY

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project 7238, Metro Self Monitor, PO# M71223: Results of testing requested by Gerry Thompson, Project Manager for material submitted on December 21, 1995.

1 water sample analyzed for Chromium, Copper, Nickel, Zinc

@ \$65 per sample

\$ 65.00

Amount Due \$ 5.00

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3012 16th Avenue West Seattle, WA 98119-2029 FAX: (206) 283-5044

December 28, 1995

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on December 21, 1995 from your 7238, Metro Self Monitor, PO# M71223 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kurt Johnson

Chemist

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Enclosures ACU1228R.DOC